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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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U.S. PTO

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-35933

First Inventor

James Edward Nave

Title

Fast-Convergence Two-Stage Automatic Gain
Contr I (AGC)

Express Mail Label No.

ER 627469893 US

U.S. PTO
107780002
2390

012004

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-14501. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)2. Applicant claims small entity status.
See 37 CFR 1.27.3. Specification
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

[Total Pages

21

7. CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)a. Computer Readable Form (CRF)b. Specification Sequence Listing on:i. CD-ROM or CD-R (2 copies); orii. paperc. Statements verifying identity of above copies4. Drawing(s) (35 U.S.C. 113)
Sheets

[Total

3

5. Oath or Declaration
Pages

[Total

1

a. Newly Executed (original or copy)b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)i. **DELETION OF INVENTOR(S)**Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).6. Application Data Sheet. See 37 CFR 1.76

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & documents(s))10. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of
Attorney11. English Translation Document (if applicable)12. Information Disclosure
Statement (IDS)/PTO-1449 Copies of IDS
Citations13. Preliminary Amendment14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Group / Art Unit: _____

Prior application information: Examiner _____
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS



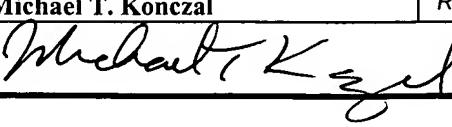
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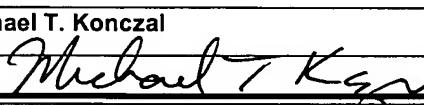
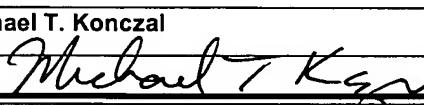
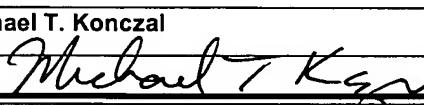
(Insert Customer No. or Attach bar code label here)

or Correspondence address below

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	W. Daniel Swayze 972-917-4371	FAX (972)917-4418

Name (Print/Type)	Michael T. Konczal	Registration No. (Attorney/Agent)	45,475
Signature			Date 01/20/04

012004

FEE TRANSMITTAL for FY 2004		Complete If Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td colspan="4"></td> </tr> <tr> <td>Filing Date</td> <td colspan="4"></td> </tr> <tr> <td>First Named Inventor</td> <td colspan="4">James Edward Nave</td> </tr> <tr> <td>Examiner Name</td> <td colspan="4"></td> </tr> <tr> <td>Group Art Unit</td> <td colspan="4"></td> </tr> </table>					Application Number					Filing Date					First Named Inventor	James Edward Nave				Examiner Name					Group Art Unit																																																																																																																																																																																																																																				
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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%;">Deposit Account Number</td> <td style="width: 80%; text-align: center;">20-0668</td> </tr> <tr> <td>Deposit Account Name</td> <td style="text-align: center;">Texas Instruments Incorporated</td> </tr> </table> <p style="margin-top: 10px;"> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 </p>			Deposit Account Number	20-0668	Deposit Account Name	Texas Instruments Incorporated	3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2" style="width: 15%;">Fee Code</th> <th rowspan="2" style="width: 15%;">Fee (\$)</th> <th rowspan="2" style="width: 15%;">Fee Code</th> <th rowspan="2" style="width: 15%;">Fee (\$)</th> <th colspan="2" style="width: 40%;">Fee Description</th> <th rowspan="2" style="width: 15%;">Fee Paid</th> </tr> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td colspan="2">Surcharge - late filing fee of oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td colspan="2">Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>N/A</td> <td>130</td> <td colspan="2">Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>N/A</td> <td>2,520</td> <td colspan="2">For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>N/A</td> <td>920*</td> <td colspan="2">Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>N/A</td> <td>1,840*</td> <td colspan="2">Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td colspan="2">Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td colspan="2">Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td colspan="2">Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td colspan="2">Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td colspan="2">Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td colspan="2">Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td colspan="2">Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td colspan="2">Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>N/A</td> <td>1,510</td> <td colspan="2">Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td colspan="2">Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td colspan="2">Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td colspan="2">Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td colspan="2">Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td colspan="2">Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>N/A</td> <td>130</td> <td colspan="2">Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>N/A</td> <td>50</td> <td colspan="2">Processing fee for provisional applications</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>N/A</td> <td>180</td> <td colspan="2">Submission of information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>N/A</td> <td>40</td> <td colspan="2">Recording each patent assignment per property (times number of properties)</td> <td style="text-align: right;">40</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td colspan="2">Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td colspan="2">For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td colspan="2">Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>N/A</td> <td>900</td> <td colspan="2">Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="6">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="6" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;">SUBTOTAL (3) \$ 40</td> </tr> <tr> <td colspan="6"></td> <td style="text-align: right;">SUBMITTED BY</td> <td colspan="2" style="text-align: center; border-top: none;"> Complete (if applicable) </td> </tr> <tr> <td colspan="2" style="border-top: none;"> Name (Print/Type) Michael T. Konczal </td> <td colspan="2" style="border-top: none;"> Registration No. (Attorney/Agent) 45,475 </td> <td colspan="2" style="border-top: none;"> Telephone 214-228-3641 </td> <td colspan="2" style="border-top: none;"></td> </tr> <tr> <td colspan="2"> Signature  </td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"> Date 01/20/04 </td> </tr> </tbody></table>					Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		Fee Paid	Large Entity	Small Entity	1051	130	2051	65	Surcharge - late filing fee of oath			1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet			1053	130	N/A	130	Non-English specification			1812	2,520	N/A	2,520	For filing a request for ex parte reexamination			1804	920*	N/A	920*	Requesting publication of SIR prior to Examiner action			1805	1,840*	N/A	1,840*	Requesting publication of SIR after Examiner action			1251	110	2251	55	Extension for reply within first month			1252	420	2252	210	Extension for reply within second month			1253	950	2253	475	Extension for reply within third month			1254	1,480	2254	740	Extension for reply within fourth month			1255	2,010	2255	1,005	Extension for reply within fifth month			1401	330	2401	165	Notice of Appeal			1402	330	2402	165	Filing a brief in support of an appeal			1403	290	2403	145	Request for oral hearing			1451	1,510	N/A	1,510	Petition to institute a public use proceeding			1452	110	2452	55	Petition to revive - unavoidable			1453	1,330	2453	665	Petition to revive - unintentional			1501	1,330	2501	665	Utility issue fee (or reissue)			1502	480	2502	240	Design issue fee			1503	640	2503	320	Plant issue fee			1460	130	N/A	130	Petitions to the Commissioner			1807	50	N/A	50	Processing fee for provisional applications			1806	180	N/A	180	Submission of information Disclosure Stmt			8021	40	N/A	40	Recording each patent assignment per property (times number of properties)		40	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))			1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))			1801	770	2801	385	Request for Continued Examination (RCE)			1802	900	N/A	900	Request for expedited examination of a design application			Other fee (specify) _____							*Reduced by Basic Filing Fee Paid						SUBTOTAL (3) \$ 40							SUBMITTED BY	Complete (if applicable)		Name (Print/Type) Michael T. 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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

MICHAEL T. KONCZAL
REGISTERED PATENT ATTORNEY

**P.O. Box 863656
PLANO, TEXAS 75086**

**TEL: 214-228-3641
FAX: 972-608-2947**

MIKE@PATENTMIKE.COM

**PRACTICE LIMITED TO PATENTS, TRADEMARKS,
AND
U.S. AND FOREIGN INTELLECTUAL PROPERTY MATTERS**

January 20, 2004

Via Express Mail: ER 627469893 US

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

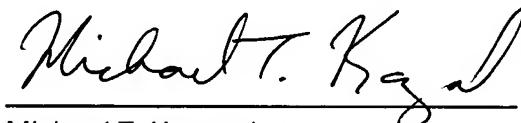
Re: Utility Patent Application For:
Fast-Convergence Two-Stage Automatic Gain Control (AGC)
Attorney Docket: TI-35933

Dear Sir:

Enclosed for filing please find the following items relating to the above-identified patent application:

- (1) Utility Patent Application Transmittal;
- (2) Specification;
- (3) 3 Sheets of Formal Drawings;
- (4) Fee Authorization/Transmittal Form;
- (5) Declaration and Power of Attorney;
- (6) Assignment, and Recordation Form Cover Sheet (in duplicate); and
- (6) Postcards (2).

Please charge **Deposit Account No. 20-0668** in the amount of the total fees set forth. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to **Deposit Account No. 20-0668**.



Michael T. Konczal
Registration No. 45,475

c: Cindy Dees, Texas Instruments Incorporated